



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB H4749-1
Job Sheet 186660



Part No: RB H4749-1

Job Qty: 10 ea

Part Name: Drain Hose Body



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/19/18

Job Tracking No:

Due Date: 12/7/18

Created By: Marie Lajeunesse

Type: Stock *SAD*

Description:

Note: DWG RB H4749 Rev 5A IPP Rev A 18.03.12 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	10 Ea	12/7/18	12/7/18	0.00	0.00	Start Up Machining-3		<i>MSP 18/12/09</i>
110	CNC Lathe	10 pcs	12/7/18	12/7/18	0.00	10.00	SL-154		<i>MSP 18/12/09</i>
120	QC	10 pcs	12/7/18	12/7/18	0.00	0.00	QC2 Machining-4		<i>MSP 18/12/09</i>
130	QC	10 pcs	12/7/18	12/7/18	0.00	0.00	QC8 Machining-4		<i>MSP 18-12-10</i>
150	Outsource	10 pcs	12/7/18	12/7/18			GRO002-VC <i>ATG</i>	15	<i>DEC 11 2018</i>
160	Packaging <i>98</i>	10 pcs	12/7/18	12/7/18	0.00	0.00	Packaging2		<i>DEC 18 2018</i>
170	QC	10 pcs	12/7/18	12/7/18	0.00	0.00	QC6		<i>DEC 18 2018</i>
180	Packaging	10 pcs	12/7/18	12/7/18	0.00	0.00	Packaging3-1		<i>DORAN 18-12-10</i>
190	QC21-SA	10 Ea	12/7/18	12/7/18	0.00	0.00	QC21		<i>DEC 19 2018</i>

Part Op 110 - 1-Machine as per DWG. FB *974* FOLIO REV: _____ DWG REV: _____ 2-Debur *DEC 19 2018*
Descriptions: 120 - Engrave T/N Using Marktronic engraver as per DWG.
150 - Issue P/O to Groupe Altech: PO *042013* -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2
CLASS-2, Water sealant -Certificate of Conformity is required

GAC074

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6R1.125	6061 Round Bar 1.125	4.3300 ft (.433 ea)	90-Start up Operation	<i>5123405</i>

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M6061T6R1.125	4	43	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

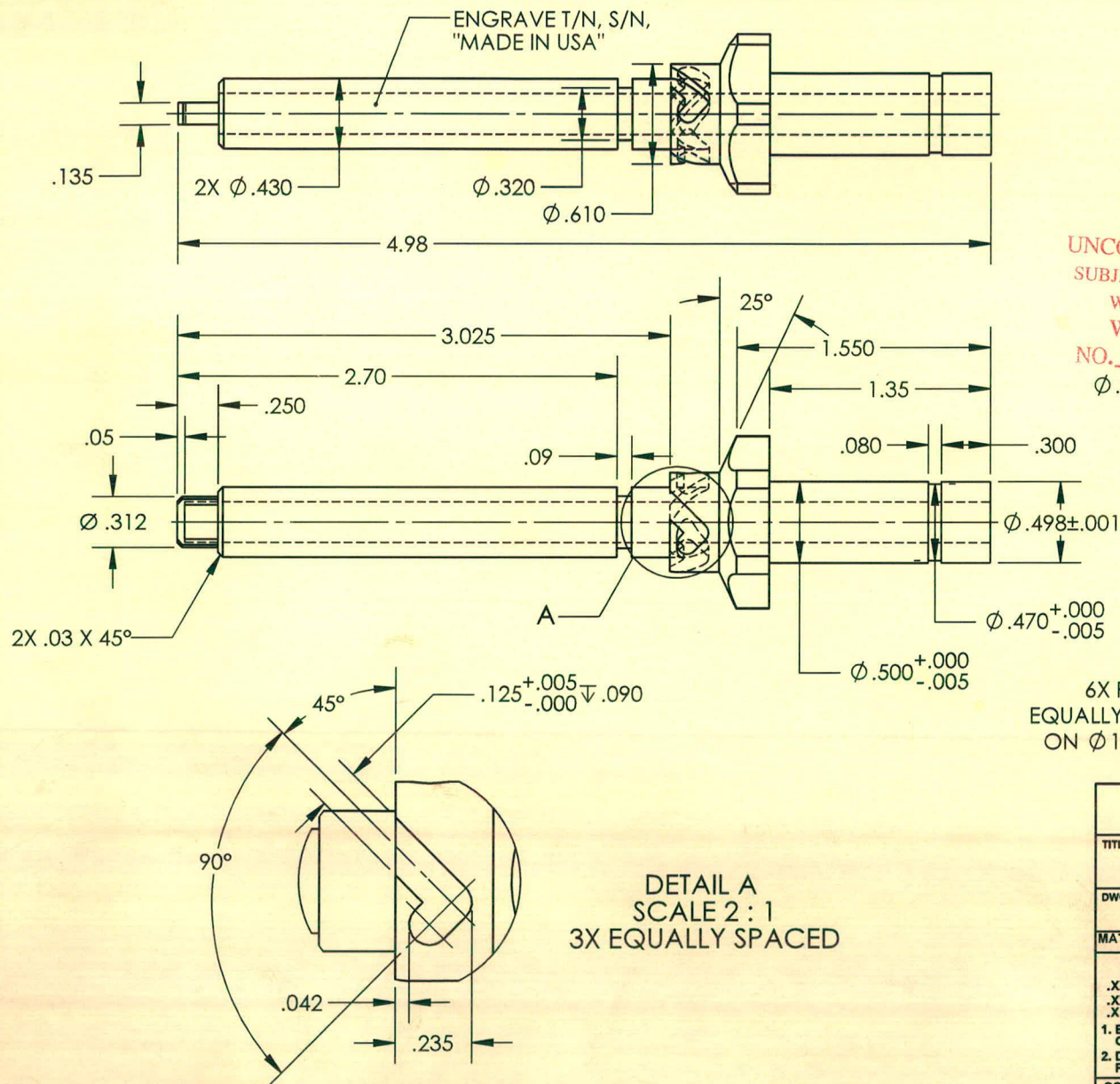
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : ☐									

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
4	INCREASED STEM LENGHT FROM .80 TO 1.35, REMOVED BARB ADDED GROOVE.	7/24/2012	JAG
5	ADDED MISSING DIM $\phi .312$, CH'D DIM WAS .125 IS .125+.005/-0.000 $\nabla .090$	2/26/2013	BIM
5A	-1 CH'D TOL. TO 2 PLC ON 1.35, .05, & 4.98, DP 4.935 TO 4.93 MAX, WAS $\phi 1.062$ IS $\phi 1.06$. CH'D NOTES WAS ENGRAVE P/N IS ENGRAVE T/N, S/N, "MADE IN USA", WAS 6X R.375 EQUALLY SPACED IS 6X R.38 EQUALLY SPACED ON $\phi 1.60$ B.C. DELETED .244, .096.	1/30/2014	JAG



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 186660 MJS
18-11-20
 $\phi .25 \nabla 4.94 \text{ MAX}$

6X R.38
EQUALLY SPACED
ON $\phi 1.60$ B.C.

DETAIL A
SCALE 2: 1
3X EQUALLY SPACED

RED BARN MACHINE	
TITLE T/R GEAR BOX DRAIN TOOL	
DWG NO. RB H4749-1	REV 5A
MAT'L 6061	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH RED ANODIZE
.X $\pm .1$	SPEC MIL-A-8625F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 407
SCALE 1:1	DATE 7/24/2012
SHEET 2 OF 2	

DART AEROSPACE LTD		Work Order:
Description: T/R GEAR BOX DRAIN TOOL	Part Number: RB H4449-1	
Inspection Dwg: RB H4449	Rev: 5A	Page 1 of 1

INSPECTION SHEET

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.135	+ 0.005	0.136	✓		Vernier J.V.O.S	
0.430	+ 0.005	0.425	✓		MJP-04	vern
0.320	+ 0.005	0.320	✓		↓	↓
0.610	+ 0.005	0.607	✓		"	
4.98	+ 0.010	4.982	✓		MJP-04	vern
0.312	+ 0.005	0.307	✓		"	
0.05	+ 0.010	0.045	✓		Vernier J.V.O.S	
0.250	+ 0.005	0.248	✓		"	
2.70	+ 0.010	2.700	✓		"	
0.09	+ 0.005	0.090	✓		MJP-04	vern
25°	+ 0.5°	25°	✓			
1.550	+ 0.005	1.550	✓			
1.35	+ 0.010	1.350	✓			
0.500	+ 0.005	0.496	✓			
0.080	+ 0.005	0.081	✓			
0.300	+ 0.005	0.298	✓			
0.498	+ 0.005	0.497	✓			
0.470	+ 0.005	0.466	✓			
0.25	+ 0.005	0.255	✓			
4.84	+ 0.010	4.940	✓			
1.06	+ 0.010	1.058	✓			
0.125	+ 0.005	0.127	✓			
0.235	+ 0.005	0.240	✓			
0.042	+ 0.005	0.045	✓			
0.090	+ 0.005	0.085	✓			
45°	+ 0.5°	45°	✓			

Measured by: [Signature]	Checked by: DAS 20 9-89	QC Inspector:
Date: 18/12/07	Date: 18-12-10	Date:

Engineering Approval: (If necessary)	Date:
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Rev	Date	Change	Revised by	Approved
A	14.07.31	New Issue	KJ	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S135861



Part: RB H4749-1

Job No: 186660

Serial No/Batch: S135861

Revision: 5A

Inspector:

Exp Date:

Instructions:

Date: 12/09/18

340
05
22-0



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042013**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO042013
PO Date: 12/11/18
Due Date: 12/21/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground
Pynt Terms: Net 30

Freight Terms:
Special Comments: ** need back by Dec. 18 **: (

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	184991	RBWSI-HT-12AS-M-1	Top -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	12/21/18	10 pcs	0 pcs	10 pcs	\$5.69/pcs	\$56.90
2	184978	RBW6305G00931-3G-1	Support -Issue P/O to ATG; PO -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Firmed	-	12/21/18	6 pcs	0 pcs	6 pcs	\$5.69/pcs	\$34.14



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PURCHASE ORDER **PO042013**

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	184524	D5573-1	Base Bracket, Upper, Cable Cutter, LH : Various STC's Issue P/O to ATG: ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 2 CLASS 2 PRIME AS PER IAW MIL-PRF-23377 1-2 MIL MAX AS PER DWG NOTE 2 C OF C IS REQUIRED	Firmed	-	12/21/18	4 pcs	0 pcs	4 pcs	\$10.33/pcs	\$41.32
4	184525	D5573-2	Base Bracket, Upper, Cable Cutter, RH : Various STC's Issue P/O to ATG: ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 2 CLASS 2 PRIME AS PER IAW MIL-PRF-23377 1-2 MIL MAX AS PER DWG NOTE 2 C OF C IS REQUIRED	Firmed	-	12/21/18	4 pcs	0 pcs	4 pcs	\$10.33/pcs	\$41.32
5	185594	D5577-1	U-Channel, Cable Cutter : Various STC's Issue P/O to ATG : 1- Anodize Black per MIL-A-8625, Type II, Class 2 as per Dwg. D5577 2- Prime Grey as per Dwg. Certification of Conformity is required.	Firmed	-	12/21/18	8 pcs	0 pcs	8 pcs	\$12.23/pcs	\$97.84



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PURCHASE ORDER **PO042013**

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	186660	RB H4749-1	Drain Hose Body -Issue P/O to Groupe Altech: PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	12/21/18	10 pcs	0 pcs	10 pcs	\$5.69/pcs	\$56.90
						9 X DEC 18 2018					
7	187606	D2348	Wearplate (Key Way) : Various STC's Issue P/O: Black Anodize per Dwg D2348 Rev. C	Firmed	-	12/21/18	46 pcs	0 pcs	46 pcs	\$2.48/pcs	\$114.08
						46 X DEC 18 2018					
8	187428	D3299-5	Fitting : Various STC's (Outsource process- Anodize per QSI017 4.1.10.1), Issue P/O: Anodize as per Dwg D3299 Possible Supplier: TNM Paint Material release note is required	Firmed	-	12/21/18	10 pcs	0 pcs	10 pcs	\$5.69/pcs	\$56.90
						10 X DEC 18 2018					
Grand Total:										\$499.40	

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/17/18 8:04 AM dart.tsimiklis.chrisoula



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 916832

Date: 17-Dec-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
10 each	Part: RBWSI-HT-12AS-M-1 Top Anodize per MIL-A-8625F, Type II, Class 2, Red, .0004-.0010" (.4 - 1 mils). Water Sealant Job: 24338	Rev: A PO: PO042013	Line: 1
6 ea	Part: RBW6305G00931-3G-1 Support Anodize per MIL-A-8625F, Type II, Class 1, Clear, .0004-.0010" (.4 - 1 mils), Water Seal Job: 24339	Rev: 1 PO: PO042013	Line: 2
9 ea	Part: RBH4749-1 Drain Hose Body Anodize per MIL-A-8625F, Type II, Class 2, Red, Water Sealant, .0004-.0010" (.4 - 1 mils). Job: 24343	Rev: PO: PO042013	Line: 6
8 ea	Part: RBE105-31781W2-3 Base Anodize per MIL-A-8625F, Type II, Class 1, Clear, Water Seal, .0004-.0010" (.4 - 1 mils) Job: 24350	Rev: PO: PO042031	Line: 3
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>12/18/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ Made in Canada.			

DAS
38
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